

FIG. 2

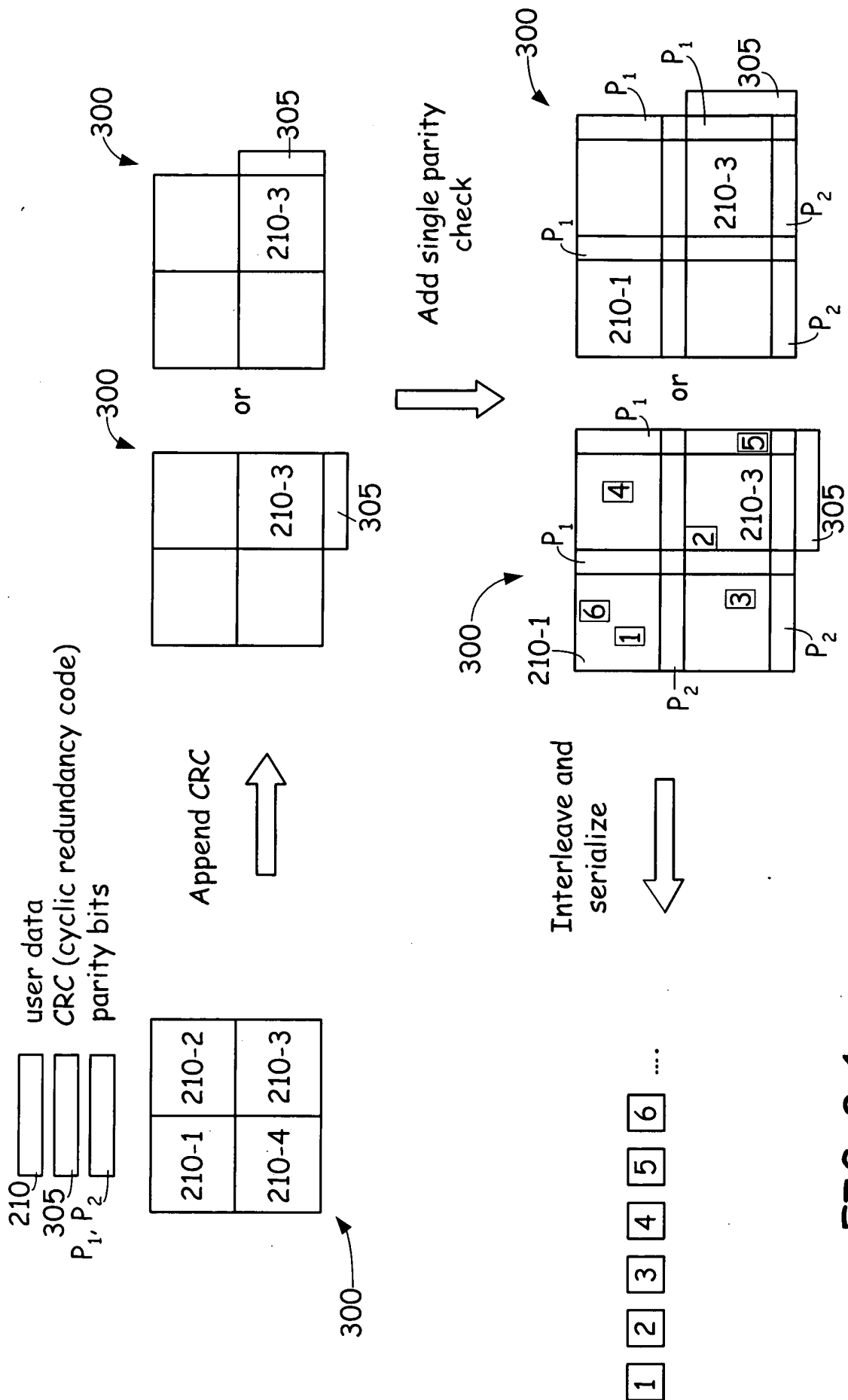


FIG. 3-1

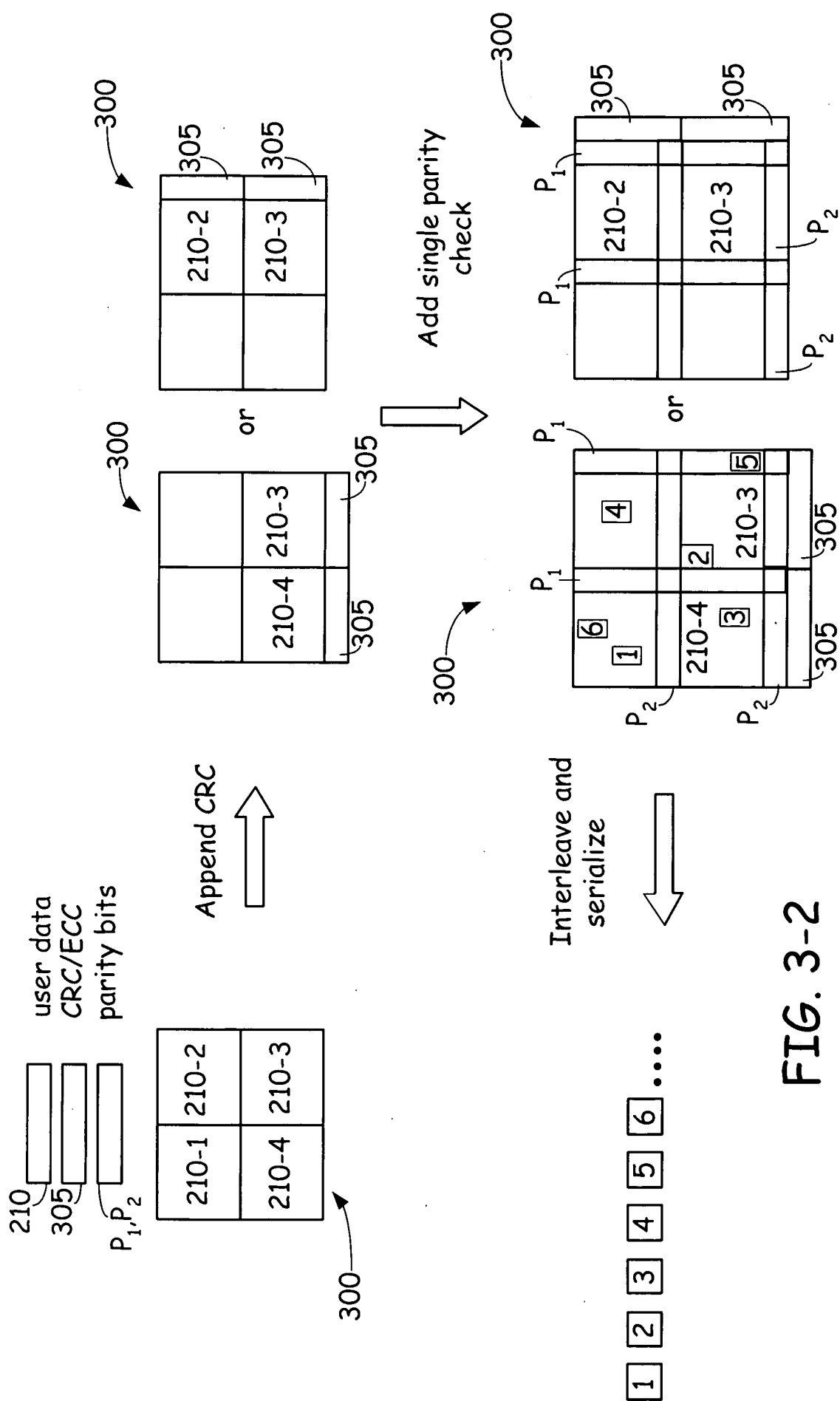
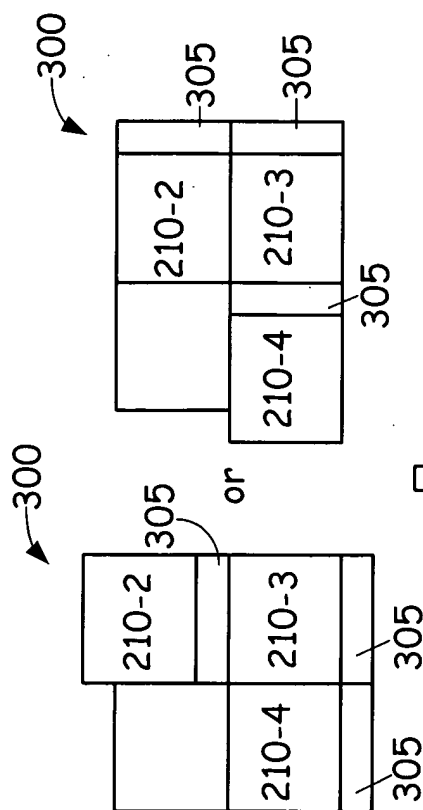
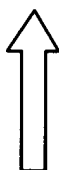


FIG. 3-2

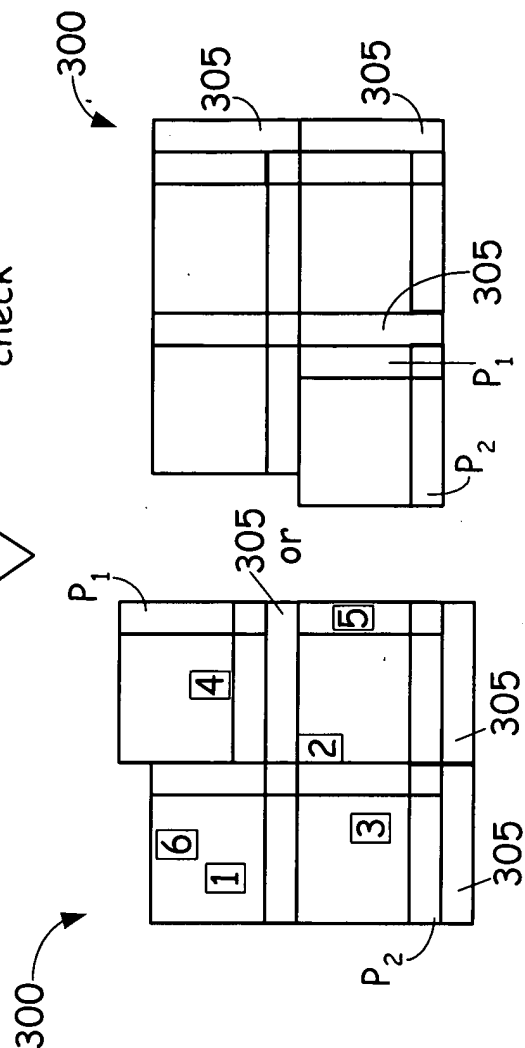
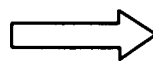
210 user data
305 CRC/ECC
P₁, P₂ parity bits

210-1	210-2
210-4	210-3

Append CRC



Add single parity check



Interleave and
serialize



1 2 3 4 5 6

FIG. 3-3

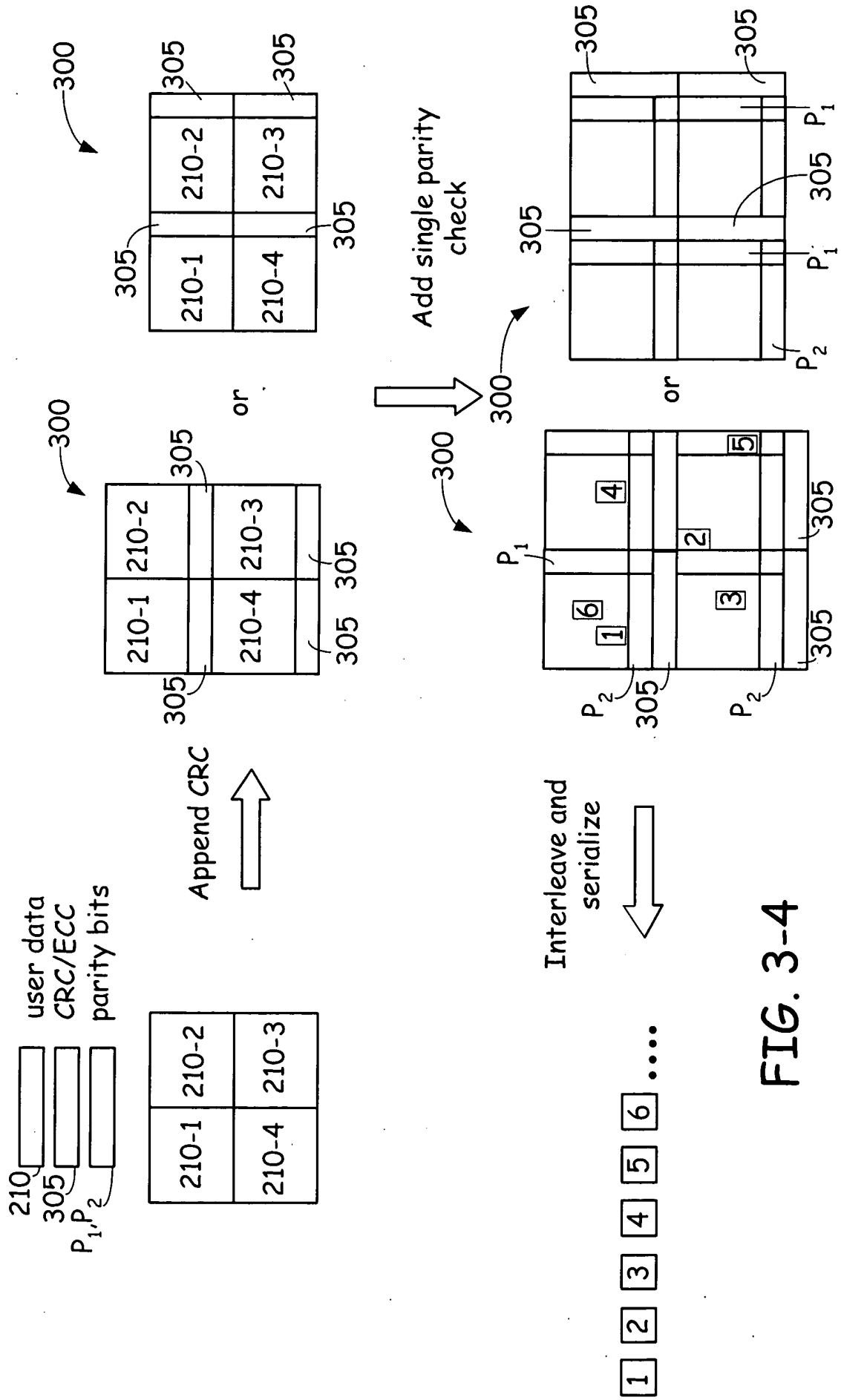


FIG. 3-4

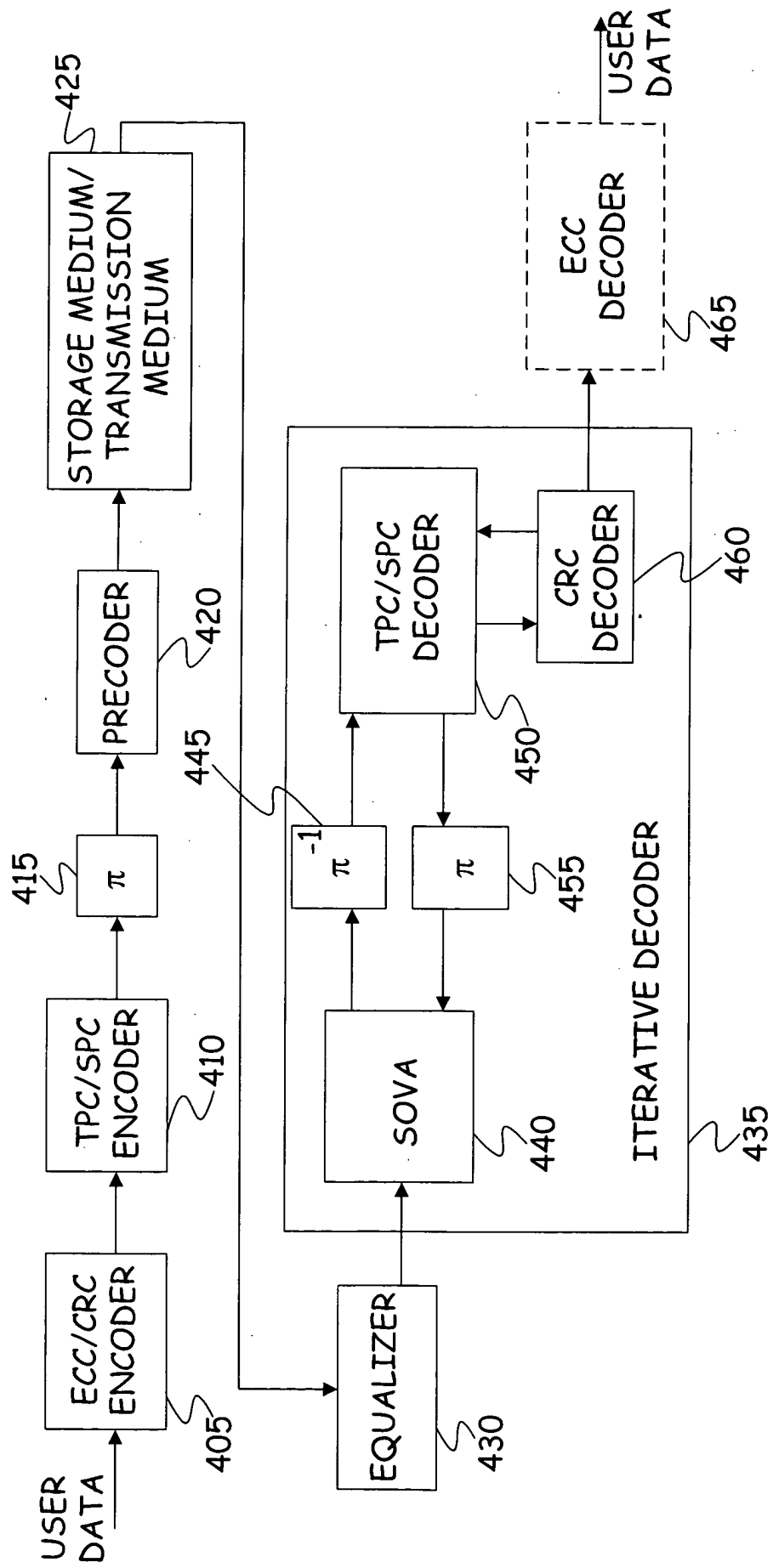


FIG. 4

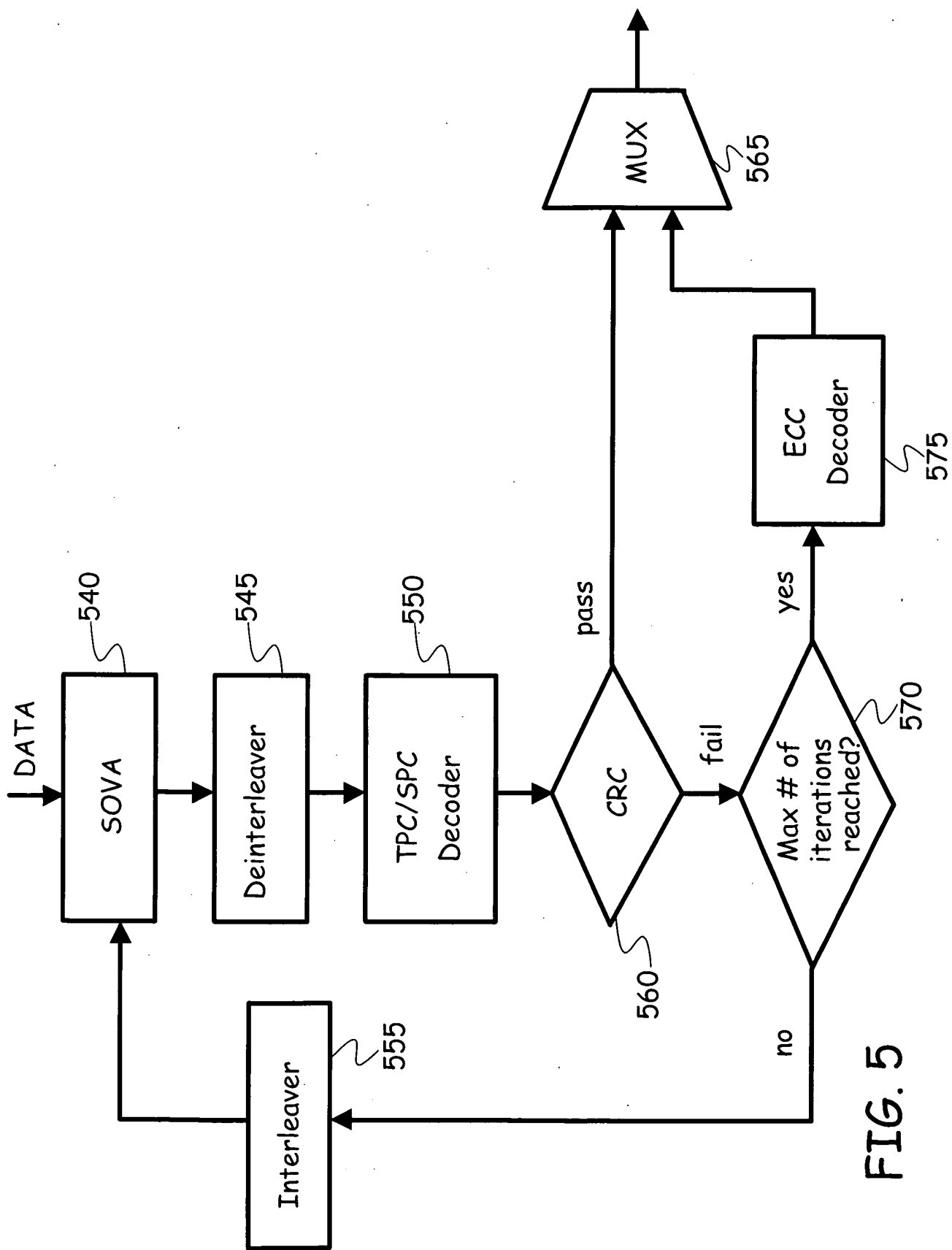
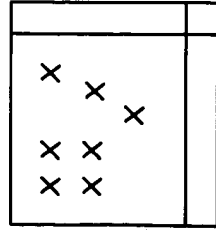
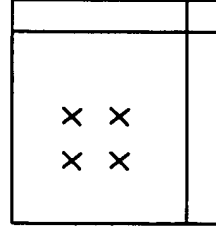


FIG. 5



Iteration #1

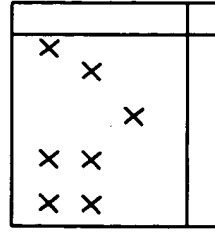


iteration #2

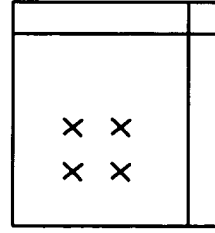
stop

FIG. 6-1

x = error bit

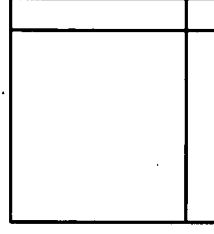


Iteration #1



iteration #2

.....



iteration #N

stop

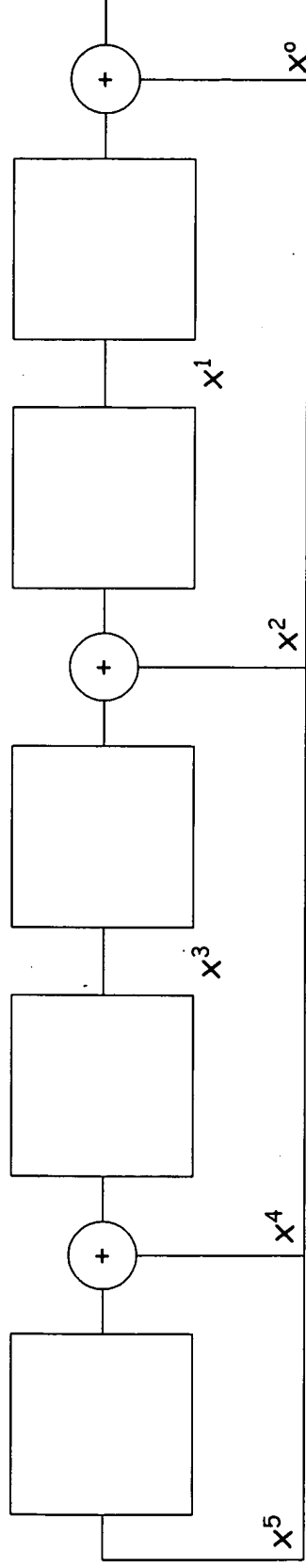
FIG. 6-2

x = error bit

Input bits when creating CRC 1010001101000000

Input bits when creating CRC 101000110101110

460



$$P(x) = x^5 + x^4 + x^2 + 1$$

FIG. 7

SNR = 6.4dB, 1600 codewords were simulated*

Termination Criterion	# of Error Events	# of wrong bits in those error events
Parity check Equation	44	4 10 4 14 6 2 4 4 4 1 8 4 4 6 8 4 1 4 4 6 12 2 4 2 4 4 4 2 10 3 4 4 4 4 6 4 8 4 4 1 4
CRC	5	1, 1, 2, 3, 1

* SOVA/TPCSPC system With fixed-point calculation.

FIG. 8

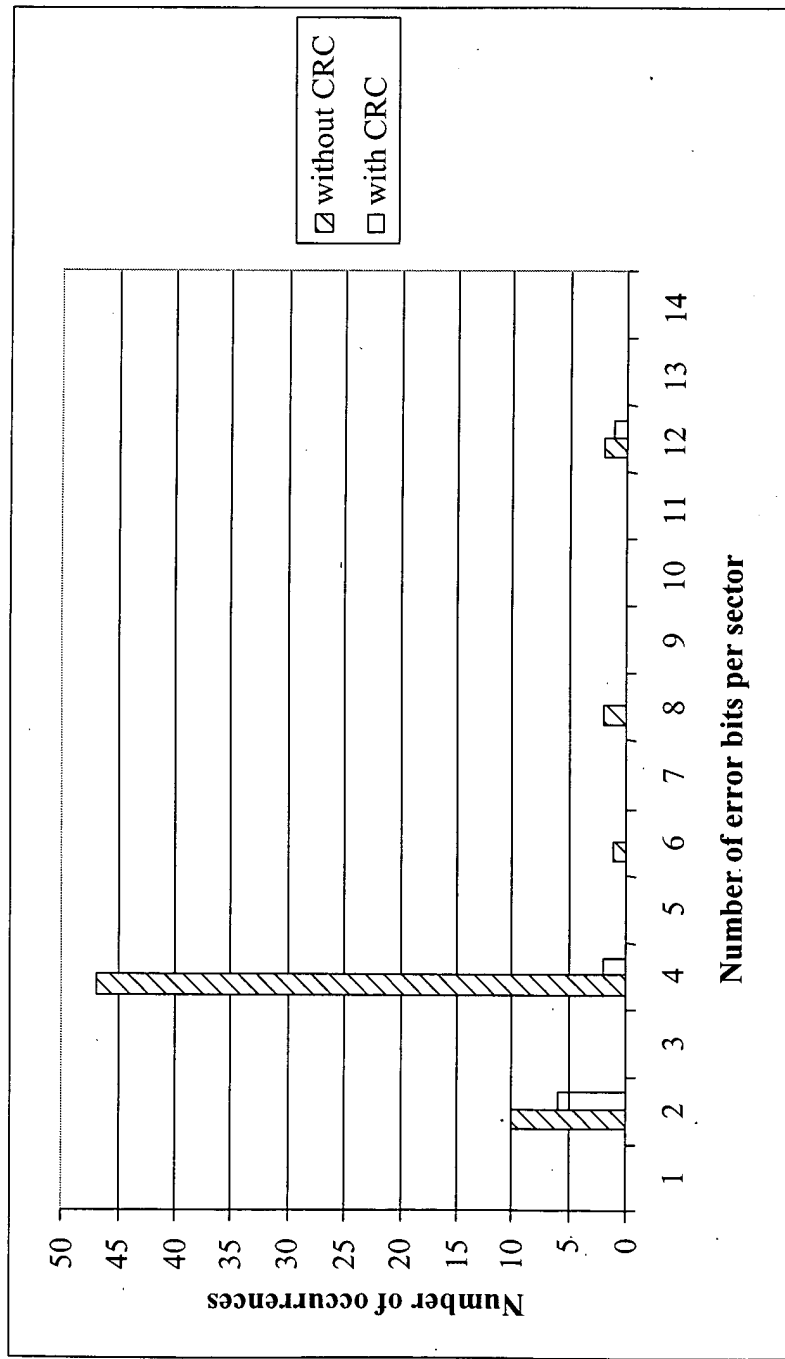


FIG. 9